



SIMPLE, RELIABLE DESIGN

Using only two moving parts, oval gear meters provide long service life and minimal maintenance costs.



EXCEPTIONAL ACCURACY AND REPEATABILITY IN A WIDE RANGE OF APPLICATIONS MEASURING CLEAN LIQUIDS

Oval gear flow meters are a type of positive displacement flow meter used to measure the volumetric flow of liquids. Volumetric meters can accurately measure fluids like oils and greases at very low flow rates where other technologies require much higher minimum flow rates. Oval gear flow meters are extremely tolerant of changes in temperature, pressure, or viscosity.

FLOMEC's oval gear meters are used in many applications around the world including:

- Batching to ensure precise measurement, delivering consistent quantity
- Lubrication and grease metering requiring consistent measurement, minimized pressure loss, and managing a range of flow rates
- Measuring accurate, short injections in chemical injection rigs without requiring flow conditioning, and easily installing into tight spaces
- Accurate measurement of hydraulic fluids being well-suited for wide-ranging viscosities and fluctuating environmental impacts / temperatures

For assistance with specifying an oval gear flow meter into an application, contact FLOMEC Product Support.

View product details for each OM Series product line including compatible fluids and approvals, or download data sheets for complete product specifications:



FEATURES & BENEFITS

- High accuracy and repeatability, measures every drop, saves waste
- Extremely versatile design accurately measures high and low viscosity fluids
- No requirement for flow conditioning (straight pipe runs) gives a simple and inexpensive installation
- Only two moving parts provides a reliable product with minimal maintenance costs
- IECEx/ATEX models available, making the product safe to use in flammable liquid applications

SIZES & FLOW RATES

OM SERIES PULSE - SMALL CAPACITY

OM004	OM006	OM008
1/8" (4 mm)	1/4" (6 mm)	3/8" (8 mm)
0.26-9.5 GPH (1.0-36 L/hr)	0.5-27 GPH (2-100 L/hr)	4-145 GPH (15-550 L/hr)
+/- 1.0% of reading (accuracy is +/- 0.2% of reading with optional RT14 with non-linearity correction)		



OM SERIES PULSE - SMALL CAPACITY HIGH PRESSURE

OM004H	OM006H	OM008H
1/8" (4 mm)	1/4" (6 mm)	1/4" (6 mm)
0.26-9.6 GPH (1.0-36 L/hr)	2.6-27 GPH (2-100 L/hr)	4-145 GPH (15-550 L/hr)
+/- 1.0% of reading (accuracy is +/- 0.2% of reading with optional RT14)		



OM SERIES PULSE - MEDIUM CAPACITY

OM015	OM025	OM040	OM050
1/2" (15 mm)	1" (25 mm)	1 1/2" (40 mm)	2" (50 mm)
0.26-10.6 GPM (1.0-40 L/min)	2.6-40 GPM (10-150 L/min)	4-66 GPM (15-250 L/min)	8-120 GPM (30-450 L/min) (SS)
			8-130 GPM (30-500 L/min) (PPS)
+/- 0.5% of reading (accuracy is +/- 0.2% of reading with optional RT14 with non-linearity correction)			

OM SERIES PULSE - MEDIUM CAPACITY HIGH PRESSURE

OM015	OM025	OM040	OM050
1/2" (15 mm)	1" (25 mm)	1 1/2" (40 mm)	2" (50 mm)
0.26-10.6 GPM (1.0-40 L/min)	2.6-40 GPM (10-150 L/min)	4-66 GPM (15-250 L/min)	8-118 GPM (30-450 L/min) (SS Rotors)
			8-130 GPM (30-500 L/min) (PPS Rotors)
+/- 0.5% of reading (accuracy is +/- 0.2% of reading with optional RT14)			

OM SERIES PULSE - LARGE CAPACITY

OM080	OM080E	OM100	OM100E
3" (80 mm)	3" (80 mm)	4" (100 mm)	4" (100 mm)
10-200 GPM	13-260 GPM	20-400 GPM	40-600 GPM
35-750 L/min	50-1000 L/min	75-1500 L/min	150-2500 L/min
+/- 0.5% of reading (+/- 0.2% of reading with optional RT14)			



OM SERIES - CHEMICAL

OM025
1" (25 mm)
2.3-40 GPM (10-150 L/min)
+/- 0.5% of reading (+/- 0.2% of reading with optional RT14)

Available with RT40 display.



OM SERIES - MECHANICAL DISPLAY

OM015	OM025	OM040	OM050	OM080	OM080E	OM100	OM100E
1/2" (15 mm)	1" (25 mm)	1 1/2" (40 mm)	2" (50 mm)	3" (80 mm)	3" (80 mm)	4" (100 mm)	4" (100 mm)
0.26-10.6 GPM (1.0-40 L/min)	2.6-40 GPM (10-150 L/min)	4-66 GPM (15-250 L/min)	8-118 GPM (30-450 L/min) (SS rotors)	10-200 GPM (35-750 L/min)	13-260 GPM (50-1000 L/min)	20-400 GPM (75-1500 L/min)	40-660 GPM (150-2500 L/min)
			8-130 GPM (30-500 L/min) (PPS rotors)				
+/- 1.0% of reading for M registers				+/- 1.0% of reading for M registers (+/- 0.5% for V registers)			

